MAMMOTH SPRECKELSVILLE DITCH IS FINISHED

LONG the slopes of Haleakala, the and other methods of watering the land few more miles where no great pilikia, pahala, koa, kukui and palms. It is a land," said he, "we shall be able to cul- schemes of Manager W vast volcanic crater that domin- seemed absolutely necessary. that distance it crosses gorge after gorge waves of the ocean, to be pierced. of great depth, burrows through tremenflows hills and skirts along frightful precipices and winds around vast valleys. and to enrich and make green with growing cane those sun baked hillsides.

THE WORK COMPLETED.

Last Thursday morning the last spadetal of earth was flung from this new waterway, the last great pipe was tested and found sound, the last tunnel was completed, and from far at its head there same a rush of water, brown and thick at first licking along the bottom of the way that had been prepared for it, pickime up clods of light earth here or a bit of plank there, and ever rushing on, swelling as it grew, roaring down into huge aiphons, to come up again, creaming with fexue, and well out into the ditch again, dush through long, dark, dripping tunnels, white swiftly through flumes and at last se came slipping and sliding, and bab-Mag down through alleys of waving green came into the great reservoir that had been made ready for it, and thence to be turned by the twist of a wheel this way or that to water the lands to satisfy whose thirst it had been gathered at such eapense of time and of labor and of

In the language of the people of East Mand it is known as the "new ditch" and in the official plans it is described as the "Lowrie Irrigation Ditch," after Mr. William J. Lowrie, its inceptor and the manager of the Hawaiian Commercial and Sugar Company's plantation and mills at Spreckelsville, but it might much better be termed a canal, for such it is in reality with its eleven feet of width and four of depth throughout those twentyone and more mises. It is big enough anywhere, except of course, through the hons to float a boat: despit its gradual grade-four feet in the mile is current is so mighty that a man can scarce stand against it. In a single day it will supply the plantation with 60,000,sallons of water! Sixty million galions is no small quantity when you repember that it will furnish all the water drinking, cooking, washing, street and lawn aprinkling for four cities the size of San Francisco or perhaps ten cities of the population of Honolulu!

THURTEEN MONTHS' WORK

Such is the great canal that has just new after these weary months of work as a father over that of his first born, and and worry and eternal vigilance it is done the foothills and is ready for the great

Nearly a quarter of a million dollars wakened from her long sleep in the great forth for a dance along its lower rims.

fell softly, with a "pad pad" like the camel on the desert. Red and rich, and loamy it was, with scarce a rock or a

INCEPTION OF PLAN.

Then one day as Mr. Lowrie rode over it, coughing the red dust from his lungs hind. and wiping it from his eyes, he resolved an enermous expense and 139 additional flooding all the country roundabout. feet thus gained but the water thus obtained was slightly brackish and the exsense of operating them was a terrible

TOOK PLUCK AND GOLD.

last week and rejoiced.

Once seized with the idea of securing a black scar in the landscape, stretching scarcely an acre of level ground in all its can today. My hope is and my belief ates all the Island of Mani, there water for the higher levels Mr. Lowrie from the low hanging clouds far up at extent. Indescribably beautiful it is. The is that in two years more this plantation

and ridge after ridge, numerous as the at its mouth where the Haiku Sugar Com- along without troubling to dismount from pany used to ship its sugar years ago, your steed. but most of all it has been known during the last year or so and will be known But there was nothing in the way that for many years to come for the immense And water is everywhere. It springs each year by any means. By getting it joins Haleakala crater and But there was nothing in the way the pluck and energy and science and dol- siphon which crosses it to convey the from the ground under your horse's under cultivation we get just that much crater constantly from the posts, banks, more land for our quarations. We could The age is waters from far up the wooded lars would not overcome, and Mr. Lowrie waters of the Lowrie ditch. When Mr. hoofs, it trickles from the mossy banks more land for our operations. We could like a the northeasterly extra The same its waters from far up the would not overcome, and an its waters from far up the would not overcome. It is at the northeasterly extra waters from far up the would not overcome and the would not overcom

surveys, having been completed by Mr. breezes sweep down from Haleakala and Twenty miles is well nigh a day's jour- cut down to a large extent one great item

stretches a waterway that is the largest in all Hawaii, and is one largest not. It took no long time to ascertain of labor and other things that in two years more this plantation will be putting on the market 50,000 tons of sugar each year. We should be doing it next year if it were not for the shortage of labor and other things that have hinted the road which twists up and down its weight of ripe fruit, ready for the pickthe Western world. From Kailua to that if undertaken the work would cost a the road which twists up and down its weight of ripe fruit, ready for the pick-dered us in our work but 1992 will see the tion. To get the cane to the Spreckelsville it extends, a distance of vast sum for there were gulches by the precipitous sides, for the cocoanut grove ing, bound the trail at either hand and output of Spreckelsville 50,000 tons at the fields on the Kihel side of a score, hundreds of feet deep, to be crossed in its bottom, for the tiny little harbor you may take your luncheon as you go least. spreads while it extends, a distance of score, hundreds of feet deep, to be crossed in its bottom, for the tiny little harbor you may take your luncheon as you go least, and ridge after ridge numerous as the of its month when the Little for the cooling for the train at either hand and output seems that the little for the cooling for the train at either hand and output seems that the little for the cooling for the train at either hand and output seems the little for the cooling for the train at either hand and output seems the little for the cooling for the train at either hand and output seems the little for the cooling for the train at either hand and output seems the little for the cooling for the train at either hand and output seems the little for the cooling for the

ALONG THE ROUTE.

to blow into the sea, and he recommended to the directors of the company that the could and should be, and it is, groves and lodging at last in the ditches must be left fallow and given a year or

van Der Neillen, the contracts were sign- shake the kukui trees until they rattle ney through that wonderful wilderness. of expense—the operation of the pumps. to the sea to be lost uselessly, ed for the work and the great task be- their stiff branches. Straight up and A hundred years or more ago some for- Our coal bill is something enormous anther are made to heed the behests of man gun of whose completion all Maui learned down are the sides, with scarce room gotten chief was bidden by his king to nually, and most of it goes to supply the along the faces of the cliffs for the waving construct a road over the hills from Wai- pumps. Their consumption of coal costs It is at Kailua, far over in the Maka- sourgrass to grow. Yet down the sides luku district to Hana. Road building us about \$240 per day when they are and only too often when hauling was district, that the ditch proper be- of that canyon, 350 feet and more, were methods in those days were primitive, for working, and even then they send the gins. Kallua isn't much of a place; only lowered one by one on immense ladders steel was unknown in the Islands, but by water only to the 150 feet level. Besides a deep, deep gulch at whose head a the sections of the huge siphon, sections hook or crook the road was built, a nar- that the water from them is slightly splendid stream of water by three won- weighing nearly a ton each, and section row way, stretched along the slope of the brackish and the cane on the lands which drous leaps, comes from the mountain by section the siphon was completed. hills dipping into each gulch and climb- they supply with water needs mountain sides into its jungle shaded depths. It is Standing at the top and looking down ing each ridge by ways so steep that a water to refresh it and this the new ditch just above these falls that twenty years along the completed work the siphon horse will scarce brave them. And strange will give. In the future we shall only

few more miles where no great punking panala, weat and gullies; there is tivate six thousand more acres than we comes and ahead we catch a glimpse of region of ridges and gullies; there is tivate six thousand more acres than we with the growth of the planted with the growth of th

WHAT CANAL WILL DO.

"All of the six thousand acres which we have reclaimed will not be cultivated blow across the neck of land It takes a man with a strong nerve to which lie in wait below to entrap it and so of rest, and so on. But by the aid of face of the fierce gales became a right of the new ditch we shall double our output that was no joke. A little in two years more and we shall likewise

unsultableness of Spreckel was a haul of ten miles or near then there is the wind. For nine months in the year the trai those sweeping winds all the war gauge railroad runs all throat plantation, and there are nearly dred miles of it altogether. The were stout little things, wheels d gether like a broncho about to of cars around a curve in the the wind the breeze would catch and overturn it bodily, and one like a row of dominoes, the can go over and half the train my ditched before the crew could thing but look out for themselv sides that Spreckelsville was on miles from Kahului, the port v came all supplies and whither ished sugar was sent for shipme So all things considered it was

ed by the directors some little to to move the whole headquarter Spreckelsville to the site sel-Mr. Lowrie as the most available practically in the center of the tion. The haul from the slopes leakala is all down hill, from g is a level straightaway stretch five miles in all, from S ckes is five miles or more with the vi the back, to Kahului it is less ! mile and all down hill.

It is likely that most of the pr mill will not be moved from the site. Much of the machinery is twenty years of age and out of and it will be replaced by new g to date works. Some of the parts will be sent over to the other the immense engines for instance the new mill will in reality be mill and its capacity will far a that of the present one. With the will go the central offices and the and warehouses and blacksmith repair shops. All that will remain Spreckelsville will be the man esidence and those of some One," and the stables. When the than at present it is likely that all will be also removed and Sprecks will be in very truth a deserted vi Besides the removal of the head ters and the erection of the sa Manager Lowrie has another scheme on foot-the widening d gauge of the plantation railway present the small track is entired adequate for the needs of the pl tion. The gauge of the Kahului

beyond Spreckelsville had to be t shipped from the Kahului road to of the plantation at a large add cost. But for some time past the of widening the gauge has been on and a few more months will s last mile of narrow track remov the wider gauge with heavy ralls ning throughout the plantation ready several miles of track have laid and it is possible to go to the hei boundary on the new track work is proceeding rapidly und direction of Superintendent Adams will soon be completed.

is three feet and up to a short tim all the plantation supplies that

Still another projected improv is the substitution of electric P for steam power. At Kailua when Lowrie and Haiku ditches have heads there is splendid water p that needs only to be harnessed the mills and even to draw the lo cane cars here and there over the tation. Up in famous Iao Valley is westward, the Hawaiian Comm and Sugar Company owns water? that would enable them to build houses and develop power for the tation. The two places would the furnish all the power that the pla tion would need for all purpose would as well give electric lights that section of Maui, Walluku, Grimwood, the engineers, are t Maui for the purpose of figuring proposed new electrical plants at quite likely that one or the et them will be built within the next

nish all that would be necessary BE MOVED FIVE MILES pu, Kahului and Spreckelsville.

The New Town Will Be Situated More Advantageously Back of

Not only is the town to be moved town is to be called Kahului for it will of his letter in visiting the islands in effect be a part of Kahului, or rather the Gilbert group, including Ocean

rise is an unlovely one at the present Except on Butaritari, he finds the The spot where the new town is to A long low bungalow-like house which will be the men's club house, a trim all that exist of the new town but bit

or more ago a little dam was built and a dwindled from a great black cavern down to say, and thereby also lies the greatest use the pumps in the dryest seasons when stream taken out by Claus Spreckels to which a man's body would be lost, to a pilikia, the road is paved, paved with there is not enough water in the two MANAGER J. LOWRIE

feed the lower levels of Spreckelsville, mere grey brown ribbon at the bottom, rough cobble stones. Once upon a time ditches to water all the cane, Strange to say the new ditch heads side The men at work below were pigmies, this pavement may have been smooth but of old full half the water went to waste distinguished. Strange to say, however, proceed over them is a risk of life and great thing for the plantation. It has been completed and opened for the over the dam and dashed into foam over communication with them was ridiculous- limb at every foot advanced, the precipices below to delight the eye of ly easy by speaking through the pipe, But the trouble and wear of nerves of furnished with all the water we want the precipices below to delight the eye of greaters months past the work has been perhaps one visitor a year, now the dam for it acted as a vast telephone system the journey is well repaid. Glorious views now for all time. We have enough water for it acted as a vast telephone system the journey is well repaid. Glorious views now for all time. We have enough water for our own use and we shall be able to sell some of it at a good price to other and day, he has watched over its growth, ward. ward.

It is by a triumph of engineering that faced to the ocean and cut off by the cast. Incl and entering its cemented portal it kind. are ridges of Halcakala that rain fell gurgles out of sight to come rippling into. Whether the pipe would stand the presbut seldom and then in such torrents that the sunlight once more a hundred feet or sure and whether the water would flow the task of gathering up its waters the it swept over the land and washed it clean more beyond. It nears a shallow guich freely through it were questions that more difficult and the way by which the dents and the successful conclusion of the without doing it good. The trade winds where the bamboos and laupabala and ku- could only be answered by trial and two feeder ditches are brought through work was a matter of congratulation for blew over it harshly and lifted its powdery kui trees are thick. It curves manka, dis- Thursday that trial came, the water from that rough region leads the average besurface and swept along, bearing clouds appears into a tunnel, emerges in the bed above was turned and to the joy of all holder to have a largely increased respect the of red dust until from afar, with the sun of the gulch where a stout stone and concerned it flowed as prettily as could for the engineers who accomplished the dred thousand dollars the greatest enganting through, it seemed as though the concrete dam turns the water of the gulch be asked and in all the 800 feet of pipe work. But by devious ways, around the whole slope was afire, or that Pele had and gathers it also into the canal. Then there was scarcely a leak worthy the sharp ridges and through them, the water the waterway burrows out of sight again name. stand capped crater above and had burst into the mountain side. Beyond it sweeps From Maliko it was nearly all easy go more level, and here, at Papaaca, a great

HERE WAS A BARRIER!

But now comes a greater difficulty. tens of sugar per acre and netted the this black pipe the water goes with a twentieths as its share. stockholders in the plantation thousands rush and a roar, and after you have climbed down into the gulch and up the other side you find it welling forth from the pipe, flowing swiftly as ever, forced which divides the lands of the Hawaiian the heads of the canals are. Numerous

ward and in all the thousand of jungle- such a thing and still a further miracle to reclaim, masked glens and gorges of the rain belt that the trapped water above does not. Under the guidance of Manager Lowrie taking it may be stated that its cost to beyond. The problem was to get it to the burst the confining pipe rather than a member of the Advertiser staff went the company will be close to a quarter of and, on the free of it it looked simple mount within it. The pressure must be over the entire line of the count on a million dollars. The original estimate shough for at its highest point the land terrible at the bottom but the pipes stand Thursday and Friday of last week. From was \$250,000, but it will cost somewhat less tiem. A stretch of bare brown hillside, Was but 457 feet above sea level, while at it and at the farther side you see the Spreckelsville it was a drive of twenty- than this sum, about \$23,000, but it will cost and at the farther side you see the Spreckelsville it was a drive of twenty- than this sum, about \$23,000, but it will cost and at the farther side you see the Spreckelsville it was a drive of twenty- than this sum, about \$23,000, but it will cost and the in sight, nothing but brown five miles over rough, up-hill-and-down- hood. There are in the length of the earth and dust and great red boulders. Spreckels had taken out a ditch of water of the cliff. It is but a short journey the dale roads to Kailua, the head of the canal seventy-four tunnels with a total at a height of upwards of 700 feet to water water takes here underground, then skirts canal. Here the ditch proper begins, but length of 20,850 feet or nearly four miles: the lower levels of the Spreckelsylle along the edge of the canyon, and then all the water to supply it is not taken there are nineteen flumes whose total lands. But in order to get it to the plan- turns again boldly into the hill above from the Kailua stream, by any means. length reaches 1965 feet and twelve pipe little office building and two great ceunifor so stupendous had been the en- and for near half of a mile, 1955 feet, For ten miles farther along the mountain lines, or siphons, with a total length of ment foundations where the smokegineering difficulties to overcome that straight as the arrow flies it goes be- side, from Honomanu guich there come 4760 feet. Of excavations there is a total stacks for the new mills are to stand, when the water reached the plantation neath the mountain to emerge again be- two feeder ditches, good sized waterways length of 85,957 feet. These figures are for piles on piles of boiler iron; these are levels nearly three-fourths of that height youd, far from Halehaku, high upon the themselves and all the intervening terri- Lowrie canal only and been lost and the ditch covered only mountain side, sailing along above the tory is drained by them and their waters feeder canals and the many small adthe lands from 200 feet above sea level tree tops only a stout bank of rocks and to the beach. Pumps had been put in at eement and earth preventing it from

by side with this old one, takes its wa- tiny autamata, the men on the other side now the stones are so worn and displaced It is something that ought to have been ter from the self-same dam, but whereas so small that their signals could scarce be by time and a century of traffic that to done years ago, for it is going to be a

QUARANTINE DELAYS.

the Lowrie ditch, starting from the same | At length the Maliko gulch siphon was minute, and then are gone and the sun and the brown flood rolls smoothly along altitude as its fellow, which is known as completed, although not until after many comes blinking forth, shakes the rain joicing on Thursday when it was made the Halku ditch, is able to water lands and provoking delays, on account of the drops from his eyes and smiles down on known that the water was flowing work of reclaiming those acres of upland from the 457 foot level to the sea while quarantine of Maul, owing to the plague the landscape where every leaf and every through the canal and that all was well and making them green and fat with the Haiku ditch waters but from 200 feet and delay in receiving the pipe from Pat- blade of grass sparkles and shines with with the undertaking. In the evening a to the sea. These 257 feet are gained by a erson. New Jersey, where it was made jewels of new fallen moisture. Descend- mammoth luau was given the employees series of startling engineering feats which and sent overland. The sections at the ing into dark glens, on whose slopes the of the plantation by Mr. Lowrie and nearit has cost the company and it has added begin at Kailua and end only on the slopes bottom were made of three-eighths inch tree ferns and the bamboos grow taick by every man, woman and child conmany a grey hair to Mr. Lowrie's head, above Spreckelsville. Plunging at once iron, to withstand the immense pressure and deep, a glance mountainwards shows nected with the place, who could come And what has been gained? Along those from the reservoir into the solid rock a of the two great columns of water and a glistening waterfall, dancing in the sunapper slopes of the mountain was a tunnel eight hundred feet in length leads they were set at the bottom in cement light as it springs from a ledge of rock in the dance hall and was in true native stretch of bare land, a mile and a half in this great waterway to the open air in foundations. The work of riveting and to fall, wreathed in mist into the canyon, style, with pol in pol bowls made of the width, and six miles and a half long; the next gulch. Then there is a stretch putting the sections in place, the delicate Now and then in some particularly fav- leaves and fish and pig cooked in ti leaves from the boundaries of the Pala planta- where it circles and winds and writhes task of lowering each section into position ored glen there is an ancient grass house in an earthen oven heated by white hot tion around to those of Kihel, looking along the hillside, keeping a uniform grade was done by Japanese laborers under the where the traveler may stop and rest, stones. There were other and smaller southwesterly over Maalaea bay and the of four feet to the mile, the water flow- direction of Ishikane, one of the brightest And so the journey goes, one not to be luaus at different camps on the plantation "Waste ing deep and swift and still, with scarce- Japanese in the Islands. It was all done forgetten though the traveler live to be so distant from Spreckelsville that the land," it was called, for it was far above by a ripple between the smoothshaven without an accident, something most un- a hundred. the line of other ditches and it was so banks. Presently it comes to another tun- usual in a piece of engineering of the

over a wide plateau where a few laupa- inc. There were many tunnels, one very reservoir has been constructed, a reservoir But as you rode over it it seemed a bala trees are scattered and guava bushes ticklish one in particular coming away voir with a capacity of 120,000,000 gallons Islands. thousand pities that it could not be and perhaps an ancient koa tree or a from the big siphon, and several smaller and more, for the storage of the water brought to some use. Your horses feet stunted tree fern. basider in a hundred yards in any direct deep guich appears ahead, narrow and measured, divided into tenths and one- itself, this reservoir. It is built on the tion. But it was dry. Not a drop of wa- cutting far up into the mountain side, tenth turned out to be divided between high hillside, looking off to the sea nearly ter was to be had for irrigating it and Instead of winding up its side and so the Pala Sugar Company and the Haiku a thousand feet below. A great bank to It remained bare and even the hardy back again, a siphon has been built here. Sugar Company, in payment of the right of earth and stone has been stretched lastana had a hard struggle for existence A huge affair it is, of iron pipe, 41 inches of way of the ditch across their lands, across a narrow valley and there the waand it remained barren and useless and in diameter, large enough to walk through And so valuable is water just here on ter has been imprisoned, a body of water waste, the haunt of dust storms, bearing if you crouch down, brought to this Maul that this one-tenth of the stream 800 feet long and 500 feet wide, running always over it the "flery cloudy pillar," wilderness from the railroad's end at Pa- flewing in the Lowrie ditch is divided into far back into the hills, shining and glist which marked its whereabouts, while the is on big pipe wagons drawn by eight or twentieths and of this Paia is entitled to ening in the sunlight, a landmark for all lands below brought forth eight to twelve ten or twelve mules. Down the maw of eleven-twentieths while Haiku has nine- the region higher up on the sides of the

BAD BIT OF LAND,

on by the constant weight of water be- Commercial and Sugar Company from are the devices to prevent the loss of one This was only a baby siphon, however, with tunnels where the waterway had to must follow the ditches to be at last abto reclaim it. Six thousand acres of good and there are many in the next mile or be cemented throughout, and a large screed into the thirsty soil of the distant tand was there and once the water could so, but soon the rushing waters come to siphon constructed. Thence it swept plantation for the nourishment of the be found to cover it, it could be made a spot where the earth fairly yawns, through a field of fine cane around the as good as or better than any other in This is Halehaku guich, and it is 250 feet base of Haleakala to the Kula road, and the stown acres and more in the planta- deep, and its walls are precipices. An- it will eventually be taken out at intertion. All that was needed was the water, other siphon, a giant, this one is, dips vals all through the Spreckelsville or Haof that there was enough and more than down its side and climbs to the farther lip. wallan Commercial and Sugar Company's enough at Kallua, twenty miles to east. It seems a miracle that man could erect lands to water the land it was procured tation the distance is 21.5 miles. To give

by their means many hundred additional siphons and a score or so of tunnels in-road leads on to Hana at the eastern extervening, there comes Kaupakulua gulch tremity of the island. It is a veritable of the most sumption necessary to operate the pumps water them are sadly into the profits another series of long tunnels. Then a jungle of tree ferns, bamboo, ohia, lau-water running on that stretch of bare moving to the new site is one of the pet water running on that stretch of bare moving to the new site is one of the pet water running on that stretch of bare moving to the new site is one of the pet water running on that stretch of bare moving to the new site is one of the pet water running on that stretch of bare water running on that stretch of bare moving to the new site is one of the pet water running on that stretch of bare water running on the stretch and the flower and the stretch and the

eye. Little stormlets, gusts of rain and wind, sweep down from above every

A GREAT RESERVOIR

But the very beauty of the region makes is taken at last to where the land grows Through the canefields of Hamakuapoko begin to run low and the fields below and Pala the ditch made its way. At are parening under the heat of the burn-"The Weir" the water was carefully lag sun. It is a mammoth undertaking in mountain. From it by an underground hilihacle guich where there is a catch At the Pala boundary line, the line water dam and so into Kailua gulch where those of Pala, there was a bad bit of land single precious drop, and henceforth all sprouting cane.

SOME OF THE FIGURES

From Kailua, to the end of the Lowrie conserved and brought to Kallua to add juncts which have been built at various by bit, building after building will be to the stream that is there taken out and places along the line of the canal to catch removed from Spreckelsville until the

SPRECKELSVILLE REJOICES.

cost a great deal of money but we are

At Spreckelsville there was great reemployees there were not able to come to the big luan. The news of the ditch's completion was telephoned all over the Island for its progress has been watched with much interest by all Maui resi-

And so at an expensive of over two hun gineering feat which has ever been attempted in Hawaii has been completed The output of sugar from the Islands will be much increased by it, which is for sugar means money to the

SPRECKELSVILLE WILL

Kahului.

In a little more than a year the town of Spreckelsville will be no more. It is to be wiped out almost entirely, and little relieved, at receiving a letter post office and all it is to be moved to a point in the midst of the cane fields about five miles from its present location and something less than a mile directly back of the port of Kahului.

away but it is even to lose its name and the name Spreckelsville will no longer have a place on the map. For the new Kahului will be its port.

Letter From Butaritari. We are greatly gratified, and to

Mr. Walkup, dated Butaritari, Gill Islands, April 16. It will be reme ed that he sailed in his little vess Hiram Bingham, from San Fran In November last, touching at Hon in the latter part of December, which time nothing had been b from him. It seems that he arriv Tapituea, in the Southern Gilbert ands, January 15, and had spent the months between that time and the and. He reports that the gasoline gine of the Bingham is working fine in a hopeful condition. There the Re dent Commissioner was absent, and laws were therefore disregarded. reports that no vessel had been see a long time, and that news of what going on in the world for the past s or seven months "would be a change -Missionary Herald.

CUTS AND BRUISES QUICE

Chamberlain's Pain Balm applied After an interval of comparatively rain belt. Here all roadways cease and supposed and a score or so of tunnels in-road leads on to Hana at the eastern extervening, there comes Kaupakulua gulch tremity of the island. It is another in the canal that might by chance go else-present bare hill side is crowned with where than into the canal. If these were smokestacks and a great new mill where than into the canal it would arises and trees are planted and the reach figures at least half as large again new town of Kahului springs into extended to the length of the canal it would arises and trees are planted and the reach figures at least half as large again new town of Kahului springs into extended to the length of the canal it would arises and trees are planted and the least that might by chance go else-present bare hill side is crowned with where than into the canal. If these were smokestacks and a great new mill heal the parts in less time than into the canal it would arises and trees are planted and the least half as large again new town of Kahului springs into extended to the length of the canal it would arises and trees are planted and the least half as large again new town of Kahului springs into extended to the length of the canal it would arises and trees are planted and the least half as large again new town of Kahului springs into extended the control of the canal it would arises and trees are planted and the length of the canal it would arises and trees are planted and the length of the canal it would arises and trees are planted and the length of the canal it would arises and trees are planted and the length of the canal it would arises and trees are planted and the length of the canal it would arises and trees are planted and the length of the canal it would arises are planted and the length of the canal it would arise are planted and the length of the canal it would arise are planted and the length of the canal it would arise are planted and the length of the canal it would arise are planted and the len